



INDIAN STATISTICAL INSTITUTE
Online Course on
Applied Deep Learning: From Multilayer Perceptrons to Transformers

Dates: 12 - 14 June 2026
Mode: Online | **Duration:** 3 days | **Timing:** 9:30 am to 5:30 pm



Organized by:
SQC & OR Unit, Indian Statistical Institute, Bangalore - 560 059, INDIA

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Program Objective

This program is designed to provide hands-on experience and practical insights into Deep Learning techniques. This program is tailored for professionals, researchers, and students eager to strengthen their understanding of supervised learning, time series forecasting, and image processing using neural networks

Program Highlights

Supervised Learning with Multi-Layer Perceptron (MLP)

Explore the fundamentals of supervised learning and understand how MLPs can be applied to classification and regression tasks

Time Series Forecasting with Neural Networks

Gain expertise in modelling sequential data using Recurrent Neural Networks (RNNs), Long Short-Term Memory (LSTM), Gated Recurrent Units (GRU) and Transformers

Image Processing with Convolutional Neural Networks (CNNs)

Learn how CNNs can be used for image classification, object detection, etc.

Certification Criteria

An online examination will be conducted at the end of the course. Successful candidates will receive the certificates

Key Takeaways

- Practical knowledge of implementing deep learning models
- Hands-on sessions with Python and Tensor Flow
- Certificate of successful completion

Target Audience

Industry professionals aiming to enhance their skills and stay competitive

Data scientists and engineers seeking technical expertise

Faculty members and research scholars expanding academic and applied knowledge

Students in engineering and science streams preparing for future careers

Course Content

Module	Topic
Module 1	<ul style="list-style-type: none">• Introduction to Python• Supervised Learning• Deep Learning methods• Supervised Learning using Multilayer Perceptrons (MLP)
Module 2	<ul style="list-style-type: none">• Deep Learning approaches for Forecasting• Time series forecasting as a supervised learning problem• Recurrent Neural Networks (RNN)• Long Short-Term Memory (LSTM)• Gated Recurrent Units (GRU)
Module 3	<ul style="list-style-type: none">• Time series forecasting using Transformers• Model evaluation and validation (train/test split and walk forward) techniques• Image Processing with Convolutional Neural Networks

Course material and datasets will be shared with participants

Training sessions will be conducted online.

Course Fee

Category	Base Fee	GST (18 %.)	Total Fee	Eligibility Criteria
Standard Fee	Rs. 12,000	Rs. 2,160	Rs. 14,160	Applicable after 20 May 2026
Early Bird Advantage	Rs. 10,000	Rs. 1,800	Rs. 11,800	Apply on or before 20 May 2026
Corporate Discount	Rs. 10,000	Rs. 1,800	Rs. 11,800	Minimum 2 participants from the same organization

Note: Please mention the participant's name and course code (DL-01) in the "Additional Information" field during online transfer of fees.

Important Dates

Last date for submission of nominations: 10 June 2026

Course dates: 12 – 14 June 2026

Duration: 3 days

Timing: 9:30 am – 5:30 pm

Online Fund Transfer Details

Bank Account Details	
Name	Indian Statistical Institute
Bank	Uco Bank, Kengeri Branch
Account Number	02970200000702
IFSC Code	UCBA0000297
Type of Account	Current Account

Contact: Program Director : DL-01,
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About Indian Statistical Institute

The Indian Statistical Institute (ISI) is a unique institution of national importance, devoted to research, teaching, and applications in statistics, natural sciences, and social sciences. Established by an Act of Parliament, ISI functions as:

- A university with the authority to award degrees up to Ph.D.
- A leader in multidisciplinary research and consulting for industry.
- A center for excellence bringing together scientists, economists, and scholars from across the world.

SQC & OR Division

1. A pioneering division at the forefront of integrating statistical theory with industrial practice in India. Its core activities encompass:
2. Driving continuous quality enhancement across diverse industrial sectors through data-driven methodologies.
3. Delivering specialized training programs, workshops, and customized in-house sessions to build capacity and foster operational excellence.
4. Cultivating globally competitive professionals equipped with analytical rigor and industry-relevant skills.
5. Empowering industries to implement Quality Engineering and Six Sigma frameworks, while unlocking actionable insights through advanced analytics.
6. Advancing applied research to develop innovative methodologies tailored to industrial challenges and opportunities.